# jungles

Phipps Ocean Park - Master Plan - Tree Disposition List 9/23/2022

lden.	Symbol	Scientific Name	Common Name	Disposition	DBH	SPREA
RJ-33	CER	Conocarpus erectus	Green Buttonwood	Remain	18"	
RJ-34 RJ-35	CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain Remain	14" 12"	
RJ-36	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	15"	
RJ-37	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-38	CER	Conocarpus erectus	Green Buttonwood	Remain	10"	
RJ-39 RJ-40	CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain Remain	12" 12"	
RJ-41	CER	Conocarpus erectus	Green Buttonwood	Remain	6"	
RJ-42	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-43	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	12"	
RJ-44 RJ-45	PDA CER	Phoenix dactylifera 'Medjool' Conocarpus erectus	Medjool Date Palm Green Buttonwood	Remain Remain	12" 12"	
RJ-46	CER	Conocarpus erectus	Green Buttonwood	Remain	14"	
RJ-47	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-48	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-49 RJ-50	CER PDA	Conocarpus erectus Phoenix dactylifera 'Medjool'	Green Buttonwood Medjool Date Palm	Remain Remain	12" 20"	
RJ-51	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	14"	
RJ-52	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	14"	
RJ-53	CER	Conocarpus erectus	Green Buttonwood	Remain	14"	
RJ-54 RJ-55	CER CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain Remain	12" 10"	
RJ-56	CER	Conocarpus erectus	Green Buttonwood	Remain	10"	
RJ-57	CER	, Conocarpus erectus	Green Buttonwood	Remain	15"	
RJ-58	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-59 RJ-60	CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain Remain	14" 12"	+
RJ-60	PDA	Conocarpus erectus Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	24"	
RJ-62	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	12"	
RJ-63	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	12"	
RJ-64 RJ-65	PDA PDA	Phoenix dactylifera 'Medjool' Phoenix dactylifera 'Medjool'	Medjool Date Palm Medjool Date Palm	Remain Remain	12" 15"	
RJ-66	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-67	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	15"	
RJ-68	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	18"	
RJ-69 RJ-70	PDA CER	Phoenix dactylifera 'Medjool' Conocarpus erectus	Medjool Date Palm Green Buttonwood	Remain Remain	15" 12"	
RJ-71	CER	Conocarpus erectus	Green Buttonwood	Remain	20"	
RJ-72	CER	Conocarpus erectus	Green Buttonwood	Remain	24"	
RJ-73	CER	Conocarpus erectus	Green Buttonwood	Remain	30"	
RJ-74 RJ-75	CER CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain Remain	12" 48"	
RJ-76	CER	Conocarpus erectus	Green Buttonwood	Remain	36"	
RJ-77	CER	Conocarpus erectus	Green Buttonwood	Remain	15"	
RJ-78	CER	Conocarpus erectus	Green Buttonwood	Remain	36"	
RJ-79 RJ-80	CER CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain Remain	30" 14"	
RJ-81	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	15"	
RJ-82	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-83	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-84 RJ-85	CER CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain Remain	14" 14"	
RJ-86	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-87	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	14"	
RJ-88	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	14"	
RJ-89 RJ-90	PDA CER	Phoenix dactylifera 'Medjool' Conocarpus erectus	Medjool Date Palm Green Buttonwood	Remain Remain	12" 15"	
RJ-91	CER	Conocarpus erectus	Green Buttonwood	Remain	8"	
RJ-92	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	24"	
RJ-93	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	12"	
RJ-94 RJ-95	PDA CER	Phoenix dactylifera 'Medjool'	Medjool Date Palm Green Buttonwood	Remain Remain	30" 12"	
RJ-95	CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood	Remain	14"	
RJ-97	CER	Conocarpus erectus	Green Buttonwood	Remain	12"	
RJ-98	CER	Conocarpus erectus	Green Buttonwood	Remain	15"	
RJ-99 RJ-100	CER PDA	Conocarpus erectus	Green Buttonwood	Remain Remain	14" 24"	
RJ-100 RJ-101	PDA PDA	Phoenix dactylifera 'Medjool' Phoenix dactylifera 'Medjool'	Medjool Date Palm Medjool Date Palm	Remain	15"	+
RJ-102	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	12"	<b> </b>
RJ-103	PDA	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain	18"	
RJ-104	PDA CEP	Phoenix dactylifera 'Medjool'	Medjool Date Palm	Remain Remain	15" 12"	
RJ-105 RJ-106	CER CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain	12"	+
RJ-107	CER	Conocarpus erectus	Green Buttonwood	Remain	15"	
RJ-108	SPA	Sabal palmetto	Sabal Palm	Remain	14"	
RJ-109 RJ-110	CER	Conocarpus erectus	Green Buttonwood	Remain Remain	15" 18"	
RJ-110 RJ-111	CER CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain	18"	+
RJ-112	CER	Conocarpus erectus	Green Buttonwood	Remain	15"	
RJ-113	CER	Conocarpus erectus	Green Buttonwood	Remain	25"	
RJ-114 RJ-115	CER	Conocarpus erectus	Green Buttonwood	Remain Remain	12" 12"	
RJ-115 RJ-116	CER CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain	12"	+
RJ-117	SPA	Sabal palmetto	Sabal Palm	Remain	12"	
RJ-118	CER	Conocarpus erectus	Green Buttonwood	Remain	14"	
RJ-119	CER	Conocarpus erectus	Green Buttonwood	Remain	14"	
RJ-120 RJ-121	CSP CSP	Casuarina spp. Casuarina spp.	Australian Pine Australian Pine	Remove Remove	6" 8"	+
RJ-121 RJ-122	CSP	Casuarina spp. Casuarina spp.	Australian Pine	Remove	6"	
RJ-123	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-124	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-125	CSP	Casuarina spp.	Australian Pine	Remove	8" 6"	
RJ-126 RJ-127	CSP CSP	Casuarina spp. Casuarina spp.	Australian Pine Australian Pine	Remove Remove	6" 8"	+
RJ-128	CSP	Casuarina spp.	Australian Pine	Remove	8"	
RJ-129	SPA	Sabal palmetto	Sabal Palm	Relocate	16"	
RJ-130	SPA	Sabal palmetto	Sabal Palm	Relocate	16"	
RJ-131	SPA	Sabal palmetto	Sabal Palm	Remain	10"	

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lden.	Symbol	Scientific Name	Common Name	Disposition	DBH	SPREA
RJ-133	SPA	Sabal palmetto	Sabal Palm	Remain	18"	
RJ-134 RJ-135	SPA	Sabal palmetto	Sabal Palm	Remain Remove	10" 10"	
RJ-135 RJ-136	SPA SPA	Sabal palmetto Sabal palmetto	Sabal Palm Sabal Palm	Remain	10	
RJ-137	SPA	Sabal palmetto	Sabal Palm	Remain	10"	
RJ-138 RJ-139	SPA SPA	Sabal palmetto Sabal palmetto	Sabal Palm Sabal Palm	Remain Remain	12" 12"	
RJ-140	SPA	Sabal palmetto	Sabal Palm	Remove	12"	
RJ-141	SPA	Sabal palmetto	Sabal Palm	Relocate	18"	
RJ-142 RJ-143	SPA CUV	Sabal palmetto Coccoloba uvifera	Sabal Palm Seagrape	Remove Relocate	10" 10"	
RJ-144	SPA	Sabal palmetto	Sabal Palm	Relocate	10"	
RJ-145	SPA	Sabal palmetto	Sabal Palm	Relocate	8"	
RJ-146 RJ-147	SPA SPA	Sabal palmetto Sabal palmetto	Sabal Palm Sabal Palm	Remain Remain	6" 10"	
RJ-148	SPA	Sabal palmetto	Sabal Palm	Remain	10"	
RJ-149	SPA	Sabal palmetto	Sabal Palm	Remain	14"	
RJ-150 RJ-151	SPA SPA	Sabal palmetto Sabal palmetto	Sabal Palm Sabal Palm	Remain Remain	14" 14"	
RJ-152	SPA	Sabal palmetto	Sabal Palm	Relocate	16"	
RJ-153	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-154 RJ-155	CER CER	Conocarpus erectus Conocarpus erectus	Green Buttonwood Green Buttonwood	Remain Remain	36" 36"	
RJ-156	CSP	Casuarina spp.	Australian Pine	Remove	6"	1
RJ-157	CER	Conocarpus erectus	Green Buttonwood	Remain	14"	
RJ-158 RJ-159	CSP CSP	Casuarina spp. Casuarina spp.	Australian Pine Australian Pine	Remove Remove	6" 6"	
RJ-160	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-161	CSP	Casuarina spp.	Australian Pine	Remove	6" 6"	
RJ-162 RJ-163	CSP CSP	Casuarina spp. Casuarina spp.	Australian Pine Australian Pine	Remove Remove	6"	
RJ-164	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-165	CSP	Casuarina spp.	Australian Pine	Remove	6" 6"	
RJ-166 RJ-167	CSP CER	Casuarina spp. Conocarpus erectus	Australian Pine Green Buttonwood	Remove Remain	12"	
RJ-168	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-169	CER	Conocarpus erectus	Green Buttonwood	Remain	18" 6"	
RJ-170 RJ-171	CSP CSP	Casuarina spp. Casuarina spp.	Australian Pine Australian Pine	Remove Remove	6"	
RJ-172	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-173	CSP	Casuarina spp.	Australian Pine	Remove	6" 6"	
RJ-174 RJ-175	CSP CSP	Casuarina spp. Casuarina spp.	Australian Pine Australian Pine	Remove Remove	4"	
RJ-176	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-177	CER	Conocarpus erectus	Green Buttonwood	Remain	14" 6"	
RJ-178 RJ-179	CSP CSP	Casuarina spp. Casuarina spp.	Australian Pine Australian Pine	Remove Remove	6"	
RJ-180	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-181	CSP	Casuarina spp.	Australian Pine	Remove	6" 6"	
RJ-182 RJ-183	CSP CSP	Casuarina spp. Casuarina spp.	Australian Pine Australian Pine	Remove Remove	4"	
RJ-184	CSP	Casuarina spp.	Australian Pine	Remove	6"	
RJ-185 RJ-186	CSP	Casuarina spp.	Australian Pine	Remove Relocate	6" 12"	
RJ-180	CUV AME	Coccoloba uvifera Adonidia merrillii	Seagrape Christmas / Manila Palm	Remove	3-6"	
RJ-188	AME	Adonidia merrillii	Christmas / Manila Palm	Remove	3-6"	
RJ-189		Adonidia merrillii	Christmas / Manila Palm	Remove	2-6" 2-6"	
RJ-190 RJ-191	AME AME	Adonidia merrillii Adonidia merrillii	Christmas / Manila Palm Christmas / Manila Palm	Remove Remove	2-6"	
RJ-192	AME	Adonidia merrillii	Christmas / Manila Palm	Remove	2-6"	
RJ-193	CER	Conocarpus erectus	Green Buttonwood	Remain	36"	
RJ-194 RJ-195	CER FSP	Conocarpus erectus Ficus aurea	Green Buttonwood Strangler Fig	Remain Remain	36" 120"	
RJ-196	CUV	Coccoloba uvifera	Seagrape	Remain	12"	
RJ-197 RJ-198	CUV CUV	Coccoloba uvifera Coccoloba uvifera	Seagrape	Remain Remain	36" 6"	
RJ-198 RJ-199	CUV	Coccoloba uvifera Coccoloba uvifera	Seagrape Seagrape	Remain	6"	
RJ-200	CUV	Coccoloba uvifera	Seagrape	Remain	6"	
RJ-201 RJ-202	CUV CUV	Coccoloba uvifera Coccoloba uvifera	Seagrape	Remain Remain	4" 6"	
RJ-202 RJ-203	CUV	Coccoloba uvifera Coccoloba uvifera	Seagrape Seagrape	Remain	6"	
RJ-204	SPA	Sabal palmetto	Sabal Palm	Remain	12"	<u> </u>
RJ-205 RJ-206	CUV CUV	Coccoloba uvifera Coccoloba uvifera	Seagrape Seagrape	Remain Remain	6" 10"	+
RJ-200 RJ-207	CUV	Coccoloba uvifera	Seagrape	Remain	12"	
RJ-208	CUV	Coccoloba uvifera	Seagrape	Remain	8" 0"	
RJ-209 RJ-210	SPA SPA	Sabal palmetto Sabal palmetto	Sabal Palm Sabal Palm	Remain Remain	8" 12"	+
RJ-210 RJ-211	CUV	Coccoloba uvifera	Sabar Palm Seagrape	Remain	30"	
RJ-212	CUV	Coccoloba uvifera	Seagrape	Remain	10"	
RJ-213 RJ-214	CUV CUV	Coccoloba uvifera Coccoloba uvifera	Seagrape Seagrape	Remain Remain	30" 14"	
RJ-214 RJ-215	CUV	Coccoloba uvifera	Seagrape	Remain	14	
RJ-216	SPA	Sabal palmetto	Sabal Palm	Remain	10"	
RJ-217 RJ-218	CUV CUV	Coccoloba uvifera Coccoloba uvifera	Seagrape Seagrape	Remain Remain	6" 30"	
RJ-218 RJ-219	SPA	Sabal palmetto	Seagrape Sabal Palm	Remain	12"	
RJ-220	SPA	Sabal palmetto	Sabal Palm	Remain	12"	
RJ-221		Coccoloba uvifera	Seagrape Solitoiro Bolm	Remain	48" 4"	
RJ-222 RJ-223	PEL BSI	Ptychosperma elegans Bursera simaruba	Solitaire Palm Gumbo Limbo	Remove Remain	4"	
RJ-224	CBR	Calophyllum brasiliense	Brazil Beauty Leaf	Relocate	10	
				Demain	6"	1
RJ-225	CER	Conocarpus erectus	Silver Buttonwood	Remain	-	
	CER CER CER	Conocarpus erectus Conocarpus erectus Conocarpus erectus	Silver Buttonwood Silver Buttonwood Silver Buttonwood	Remain Remain Remain	6" 12"	

RJ-228 **CER** Conocarpus erectus

RJ-229 **CER** Conocarpus erectus

RJ-230 CER Conocarpus erectus

RJ-231 **CER** Conocarpus erectus

RJ-232 CER Conocarpus erectus

Silver Buttonwood

Silver Buttonwood

Silver Buttonwood

Silver Buttonwood

Remain

Remain

Remain

Remain

12" 12"

12"

12"

12"

# jungles

#### Phipps Ocean Park - Master Plan - Tree Disposit 9/23/2022

RJ-233       RJ-234       RJ-235       RJ-236       RJ-237       RJ-238       RJ-237       RJ-240       RJ-240       RJ-243       RJ-243       RJ-244       RJ-244       RJ-244       RJ-247       RJ-248       RJ-247       RJ-248       RJ-247       RJ-248       RJ-247       RJ-248       RJ-247       RJ-250       RJ-250       RJ-253       RJ-253       RJ-253       RJ-255       RJ-255       RJ-256       RJ-257       RJ-258       RJ-259       RJ-250	CER CER CER CER CER	Conocarpus erectus Conocarpus erectus Conocarpus erectus Conocarpus erectus	Silver Buttonwood Silver Buttonwood Silver Buttonwood	Remain Remain Remain	12" 12"	
RJ-235         RJ-236         RJ-237         RJ-238         RJ-239         RJ-239         RJ-240         RJ-240         RJ-241         RJ-242         RJ-243         RJ-244         RJ-245         RJ-246         RJ-247         RJ-248         RJ-249         RJ-250         RJ-251         RJ-253         RJ-253         RJ-254         RJ-255         RJ-256         RJ-257         RJ-258         RJ-259	CER CER	Conocarpus erectus				
RJ-236         RJ-237         RJ-238         RJ-239         RJ-240         RJ-241         RJ-242         RJ-243         RJ-244         RJ-245         RJ-245         RJ-246         RJ-247         RJ-248         RJ-247         RJ-248         RJ-249         RJ-250         RJ-251         RJ-253         RJ-254         RJ-255         RJ-256         RJ-257         RJ-258         RJ-258         RJ-259	CER		Silver Buttonwood	Remain	10"	
RJ-237         RJ-238         RJ-239         RJ-240         RJ-241         RJ-242         RJ-243         RJ-244         RJ-245         RJ-246         RJ-247         RJ-248         RJ-249         RJ-248         RJ-249         RJ-250         RJ-253         RJ-253         RJ-255         RJ-255         RJ-256         RJ-257         RJ-258         RJ-259		Conocarnus erectus			12"	
RJ-238         RJ-239         RJ-240         RJ-241         RJ-242         RJ-243         RJ-244         RJ-245         RJ-245         RJ-246         RJ-247         RJ-248         RJ-249         RJ-250         RJ-251         RJ-252         RJ-253         RJ-255         RJ-256         RJ-257         RJ-258         RJ-259	CER		Silver Buttonwood	Remain	12"	
RJ-239         RJ-240         RJ-241         RJ-242         RJ-243         RJ-244         RJ-245         RJ-245         RJ-246         RJ-247         RJ-248         RJ-249         RJ-250         RJ-253         RJ-253         RJ-254         RJ-255         RJ-256         RJ-257         RJ-258         RJ-259		Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-240 RJ-241 RJ-242 RJ-243 RJ-244 RJ-245 RJ-246 RJ-246 RJ-247 RJ-248 RJ-249 RJ-250 RJ-250 RJ-251 RJ-253 RJ-255 RJ-255 RJ-256 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-241 RJ-242 RJ-243 RJ-244 RJ-245 RJ-246 RJ-247 RJ-247 RJ-248 RJ-249 RJ-250 RJ-251 RJ-252 RJ-253 RJ-255 RJ-255 RJ-255 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-242 RJ-243 RJ-244 RJ-245 RJ-246 RJ-247 RJ-248 RJ-247 RJ-248 RJ-250 RJ-250 RJ-251 RJ-253 RJ-255 RJ-255 RJ-256 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-243 RJ-244 RJ-245 RJ-246 RJ-247 RJ-247 RJ-248 RJ-249 RJ-250 RJ-250 RJ-253 RJ-253 RJ-255 RJ-255 RJ-256 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-244 RJ-245 RJ-247 RJ-247 RJ-248 RJ-249 RJ-250 RJ-251 RJ-252 RJ-253 RJ-255 RJ-255 RJ-255 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-245 RJ-246 RJ-247 RJ-247 RJ-247 RJ-250 RJ-250 RJ-251 RJ-252 RJ-253 RJ-255 RJ-255 RJ-255 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-246 RJ-247 RJ-248 RJ-249 RJ-250 RJ-250 RJ-252 RJ-253 RJ-254 RJ-255 RJ-256 RJ-257 RJ-258 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-247 RJ-248 RJ-249 RJ-250 RJ-251 RJ-252 RJ-253 RJ-254 RJ-255 RJ-256 RJ-257 RJ-258 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-248 RJ-249 RJ-250 RJ-251 RJ-252 RJ-253 RJ-254 RJ-255 RJ-255 RJ-257 RJ-258 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-249 RJ-250 RJ-251 RJ-252 RJ-253 RJ-254 RJ-255 RJ-256 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-250 RJ-251 RJ-252 RJ-253 RJ-254 RJ-255 RJ-256 RJ-257 RJ-258 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-251 RJ-252 RJ-253 RJ-254 RJ-255 RJ-256 RJ-257 RJ-258 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-252 RJ-253 RJ-254 RJ-255 RJ-256 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-253 RJ-254 RJ-255 RJ-256 RJ-257 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-254 RJ-255 RJ-256 RJ-257 RJ-258 RJ-259	CER	, Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-255 RJ-256 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-256 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-256 RJ-257 RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-258 RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-259	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
		Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-261	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-262	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-263	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-264	CER	Conocarpus erectus	Silver Buttonwood	Remain	12"	
RJ-265		Conocarpus erectus	Silver Buttonwood	Remain	6"	
RJ-266	CER	Conocarpus erectus	Silver Buttonwood	Remain	6"	
RJ-267	CER	Conocarpus erectus	Silver Buttonwood	Remain	6"	
1005	SPA	Sabal palmetto	Sabal Palm	Remain	12"	
1005		Coccoloba uvifera		Relocate	14"	
1000		Coccoloba uvifera	Seagrape	Remain	14	
	SPA		Seagrape	Remove	10	
1008	SPA SPA	Sabal palmetto	Sabal Palm	Remain	12	
		Sabal palmetto	Sabal Palm		12	
1010		Coccoloba uvifera	Seagrape	Remain Remain	18	
1011		Coccoloba uvifera	Seagrape		18"	
1012		Coccoloba uvifera	Seagrape	Remain	14"	
1013		Coccoloba uvifera	Seagrape	Remain	12" 20"	
1014	CUV	Coccoloba uvifera	Seagrape	Remain	12"	
1015	SPA	Sabal palmetto	Sabal Palm	Remain	12"	
1016		Sabal palmetto	Sabal Palm	Remain		
1017		Coccoloba uvifera	Seagrape	Remain	14"	
1018	CUV	Coccoloba uvifera	Seagrape	Remain	8"	
1019	SPA	Sabal palmetto	Sabal Palm	Remain	13"	
1020	SPA	Sabal palmetto	Sabal Palm	Remain	13"	
1021	CUV	Coccoloba uvifera	Seagrape	Remain	18"	
1022		Coccoloba uvifera	Seagrape	Remain	16"	
1023	CUV			Remain	28"	
1024	CUV CUV	Coccoloba uvifera	Seagrape			
	CUV	Coccoloba uvifera Sabal palmetto	Seagrape Sabal Palm	Remain	14"	
	CUV CUV				14"	

tion List		

CIVIL ENGINEER **Kimley**»Horn 1920 WEKIVA WAY, SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106 ARCHITECT FAIRFAX & SAMMONS FAIRFAX, SAMMONS & PARTNERS, LLC 214 BRAZILIAN AVENUE PALM BEACH, FL 33480 PHONE: (561) 805-8591 LANDSCAPE ARCHITECT jungles RAYMOND JUNGLES, INC. 2964 AVIATION AVENUE MIAMI, FL 33133 PHONE: (305) 858-6777 COA: 22-037 ZON: 22-107 REVISIONS DATE Vo l PROJECT No. DATE 10/28/2022 AS SHOWN SCALE DESIGNED BY DRAWN BY CHECKED BY TREE DISPOSITION LIST NN OF PALA PHIPPS OCEAN PARK PREPARED FOR TOWN OF PALM BEACH SHEET NUMBER

LR.202

11	ITRACTOR QUALIFICATIONS			
	CONTRACTOR MUST BE A LICENSED LANDSCAPE CONTRACTOR.	3.2.5.	AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR TREES WITH A DBH OF LI	
1.2.	CONTRACTOR MUST HAVE A MINIMUM OF 10 YEARS OF PROVEN EXPERIENCE RELOCATING LARGE SPECIMEN TREES AND PALMS IN SOUTH FLORIDA.		WEEKS. THE FIRST ROOT PRUNE MUST BE ON TWO OPPOSING SIDES OF THE RO SECOND ROOT PRUNE ON ONE OF THE OTHER TWO SIDES DONE A MINIMUM OF	
1.3.	CONTRACTOR MUST HAVE PROVEN EXPERIENCE RELOCATING TREES AND PALMS OF THE SAME		A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 3 WEEKS AFTER	
1.4.	SPECIES AND SIZE AS THOSE TO BE RELOCATED FOR THE CURRENT PROJECT. CONTRACTOR MUST HAVE A CERTIFIED ARBORIST ON STAFF.		AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GRO ROOT PRUNES IS EVIDENT (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON I	
0			DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS). MOR	
2. CON	ITRACTOR REQUIREMENTS	3.2.6.	NEEDED DURING THE COOLER MONTHS OF THE YEAR. AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR TREES WITH A DBH OF 1	
2.1.	CONTRACTOR MUST VISIT THE JOBSITE AND INSPECT ALL TREES AND PALMS TO BE RELOCATED AS WELL AS EXISTING SITE CONDITIONS AND RESTRICTIONS PRIOR TO PREPARING BID.		WEEKS. THE FIRST ROOT PRUNE MUST BE ON TWO OPPOSING SIDES OF THE ROSECOND ROOT PRUNE ON ONE OF THE OTHER TWO SIDES DONE A MINIMUM OF	
2.2.			A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 6 WEEKS AFTER	
	THOSE TAGGED ON THE JOBSITE CORRESPOND AS TO NUMBER AND DESCRIPTION. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT		AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GRO ROOT PRUNES IS EVIDENT (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON I	
	IMMEDIATELY, PRIOR TO PREPARING BID.		DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS). MOR	
2.3.	CONTRACTOR MUST CONDUCT ALL WORK ASSOCIATED WITH RELOCATION AND MAINTENANCE OF TREES AND PALMS TO BE RELOCATED. NO WORK IS TO BE SUBCONTRACTED WITHOUT PRIOR	3 2 7	NEEDED DURING THE COOLER MONTHS OF THE YEAR. CERTAIN HARDWOOD TREES AND GYMNOSPERMS REQUIRE LONGER ROOT PRU	
	WRITTEN CONSENT OF THE OWNER AND/OR LANDSCAPE ARCHITECT.	5.2.7.	INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:	
2.4.	CONTRACTOR MUST DESIGNATE A COMPETENT, ENGLISH-SPEAKING SUPERVISOR OR FOREMAN TO OVERSEE AND DIRECT ALL RELOCATION AND MAINTENANCE ACTIVITIES AS OUTLINED IN THESE		AVOCADO (PERSEA AMERICANA)     BLACK OLIVE (BUCIDA BUCERAS)	
	SPECIFICATIONS.		· BRIDALVEIL (CAESALPINIA GRANADILLO)	
2.5.	CONTRACTOR MUST SCHEDULE ROOT PRUNING TO PROVIDE THE MAXIMUM POSSIBLE TIME FOR NEW ROOT GROWTH. EVEN TREES AND PALMS THAT TYPICALLY DO NOT REQUIRE LONG (OR ANY) ROOT		<ul> <li>CASSIAS (ALL SPECIES OF CASSIA)</li> <li>LIGNUM VITAE (GUAIACUM SANCTUM &amp; G. OFFICINALE)</li> </ul>	
	PRUNING WILL BENEFIT FROM MORE ROOT PRUNING TIME; THEREFORE, ALL TREES AND PALMS TO BE		PODOCARPUS (PODOCARPUS SP.)	
	RELOCATED MUST BE ROOT PRUNED. CONTRACTOR MUST PROVIDE A ROOT PRUNE SCHEDULE FOR EACH TREE OR PALM TO BE RELOCATED AS AN ATTACHMENT TO THE BID.		<ul> <li>LIVE OAK (QUERCUS VIRGINIANA)</li> <li>MAHOGANY (SWIETENIA MAHAGONI)</li> </ul>	
2.6.			· MANGO (MANGIFERA INDICA)	
	RELOCATED PRIOR TO WORK COMMENCING.		<ul> <li>PIGEON PLUM (COCCOLOBA DIVERSIFOLIA)</li> <li>SWEET ACACIA (ACACIA FARNESIANA)</li> </ul>	
2.7.	CONTRACTOR MUST VERIFY WITH THE GENERAL CONTRACTOR THE ABSENCE OF ANY UNDERGROUND		<ul> <li>VERAWOOD (BULNESIA ARBOREA)</li> <li>WILD TAMARIND (LYSILOMA LATISILIQUUM &amp; L. SABICU)</li> </ul>	
	CONSTRUCTION OR OBSTRUCTIONS (E.G., BULKHEADS, SEPTIC SYSTEMS, ETC.) IN THE CURRENT AND FUTURE LOCATIONS OF ALL TREES AND PALMS TO BE RELOCATED.			
2.8.	CONTRACTOR MUST ALERT THE LANDSCAPE ARCHITECT OF ANY TREES OR PALMS THAT WILL NOT SUCCESSFULLY RELOCATE DUE TO POOR HEALTH PRIOR TO BEGINNING ROOT PRUNING.		FOR THESE TREES, THE MINIMUM ROOT PRUNE TIMES DISCUSSED IN SECTIONS MAY BE INSUFFICIENT. ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN	
2.9.	CONTRACTOR MUST FLAG ALL PROPOSED TRANSPLANT LOCATIONS FOR THE LANDSCAPE		AN EARLIER ROOT PRUNE CAN THE NEXT ROOT PRUNE BE DONE, AND ONLY WH	
0.40	ARCHITECT'S APPROVAL A MINIMUM OF 15 DAYS PRIOR TO RELOCATION.		ROOT GROWTH HAS TAKEN PLACE FOLLOWING THE FINAL ROOT PRUNE MAY TH	
	. CONTRACTOR MUST ENSURE THAT ALL TREES AND PALMS TO BE RELOCATED ARE INSTALLED AT THE CORRECT GRADE OR ELEVATION, ACCORDING TO THE GRADING PLAN.		RELOCATED (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHI NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS).	
	. CONTRACTOR MUST ENSURE THAT ALL ROOT FLARES ARE EXPOSED AFTER RELOCATION. . CONTRACTOR MUST REMOVE ALL RESIDUAL ROOTS, STUMPS, AND PORTIONS THEREOF AND BACKFILL	0.0	PALMS	
Z. 1Z.	PITS FROM WHICH RELOCATED TREES AND PALMS WERE REMOVED WITH CLEAN FILL FLUSH WITH THE		THE FOLLOWING TABLE LISTS MINIMUM ROOTBALL DIAMETERS FOR VARIOUS SF	
919	SURROUNDING GRADE. . CONTRACTOR MUST REPAIR ANY DAMAGE TO OTHER PLANTS, LAWN, HARDSCAPES, OR NEW		BASED ON REAL-WORLD EXPERIENCE OF RELOCATION SPECIALISTS IN SOUTH F	
2.13.	CONSTRUCTION WITHIN THE RELOCATION AREA AT CONTRACTOR'S EXPENSE. HARDSCAPES INCLUDE		PALM SPECIES ROOTBALL SPECIFICATIONSABAL / CABBAGE PALM 36" diameter	
211	BUT ARE NOT LIMITED TO CURBS, WALKS, ROADS, FENCES, SITE FURNISHINGS, ETC. . CONTRACTOR MUST PHOTOGRAPHICALLY DOCUMENT NEW ROOT GROWTH FOLLOWING EACH ROOT		QUEEN & FOXTAIL PALMS 12" from trunk in all direction	
۲.14.	PRUNE AND SUBMIT THIS DOCUMENTATION TO THE LANDSCAPE ARCHITECT. THE PURPOSE OF THIS		ROYAL & COCONUT PALMS       18 - 24" from trunk in all direction         CANARY DATE PALM       24" from trunk in all direction	
	REQUIREMENT IS TO ENSURE THAT SUFFICIENT ROOT GROWTH HAS OCCURRED PRIOR TO THE SECOND AND SUBSEQUENT ROOT PRUNES AND FOLLOWING THE FINAL ROOT PRUNE PRIOR TO		SLOW-GROWING PALMS 24" from trunk in all direction	
_	RELOCATION.	3.3.2.	(see sec. 3.3.4) PALM ROOTBALLS MUST BE A MINIMUM OF 24" DEEP. WHENEVER POSSIBLE, ROO	
2.15.	. CONTRACTOR MUST INSTALL AND MAINTAIN PROTECTION FENCING AROUND EACH TREE AND PALM TO BE RELOCATED BOTH DURING ROOT PRUNING AND AFTER RELOCATION. PROTECTION FENCING MUST		CIRCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM THE TRUNK TO THE EDGE ALL AROUND	
	CONSIST OF GALVANIZED WELDED WIRE FABRIC OR PLASTIC MESH ATTACHED TO 4" X 4" POSTS	3.3.3.	AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR PALMS IS 6-8 WEEKS. TH	
	INSERTED AROUND THE PERIMETER OF THE DRIPLINE OF THE TREE OR PALM. PROTECTION FENCING MUST BE PLUMB, TAUT, AND STURDY AT ALL TIMES AND MUST REMAIN IN PLACE THROUGHOUT THE		MUST BE ON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROO THE OTHER TWO SIDES DONE A MINIMUM OF 3-4 WEEKS LATER, AND A THIRD RO	
040	ROOT PRUNING AND WARRANTY PERIODS, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.		LAST SIDE DONE A MINIMUM OF 4.5-6 WEEKS AFTER THAT. THE SECOND AND TH	
	. CONTRACTOR MUST OBTAIN ALL NECESSARY OR REQUIRED PERMITS FOR THE RELOCATION AND TRANSPORTATION OF THE TREES AND PALMS TO BE RELOCATED.		MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCU	
2.17.	. CONTRACTOR MUST REPLACE ANY TREES OR PALMS SCARRED OR DAMAGED DURING RELOCATION, AT THE CONTRACTOR'S EXPENSE, WITH THE SAME OR SIMILAR SPECIES, SIZE, AND QUALITY.		GROWTH DURING THE ROOT PRUNE PROCESS). MORE TIME MAY BE NEEDED DU MONTHS OF THE YEAR.	
	REPLACEMENT TREES OR PALMS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO	3.4.4.	CERTAIN PALMS, IN PARTICULAR THOSE THAT ARE SLOW GROWING, REQUIRE L	
	PROCUREMENT, PREPARATION, AND/OR INSTALLATION. REPLACEMENT TREES AND PALMS MUST BE INSTALLED WITHIN 60 DAYS OF NOTICE.		TIME. THESE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: · ALL SPECIES OF ARCHONTOPHOENIX	
2.18.	. CONTRACTOR MUST GUARANTEE ALL RELOCATED TREES AND PALMS FOR ONE YEAR FROM THE DATE		· ALL SPECIES OF CORYPHA	
2.19	OF RELOCATION TO THE FINAL LOCATION. GUARANTEE MUST INCLUDE TREE HEALTH AND SETTLING. . CONTRACTOR MUST PROVIDE ALL MATERIAL NECESSARY TO PERFORM THE WORK COVERED HEREIN,		AMERICAN OIL PALMS (ALL SPECIES OF ATTALEA)     BISMARCK PALM (BISMARCKIA NOBILIS)	
	INCLUDING BUT NOT LIMITED TO BACKFILL MATERIAL, PROTECTION FENCING, FLAGGING, ADDITIVES		CUBAN & CARIBBEAN COPERNICIA	
	AND SUPPLEMENTS, TEMPORARY IRRIGATION, BURLAP, WIRE, SHRINK WRAP, AND ALL NECESSARY TOOLS AND EQUIPMENT.		<ul> <li>CUBAN BELLY PALM (GASTROCOCOS CRISPA)</li> <li>GINGERBREAD/DOUM PALMS (ALL SPECIES OF HYPHAENE)</li> </ul>	
3. ROO			PALMYRA PALMS (ALL SPECIES OF BORASSUS)	
	IT PRUNING SPECIFICATIONS		SATAKE PALM (SATAKENTIA LIUKIUENSIS)	
• ·	OT PRUNING SPECIFICATIONS		SATAKE PALM (SATAKENTIA LIUKIUENSIS)     SAW PALMETTO (SERENOA REPENS)     SILVER DALM (COCCOTURINA), ADOENTATA)	
3.1.				
	GENERAL 1. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR		<ul> <li>SAW PALMETTO (SERENOA REPENS)</li> <li>SILVER PALM (COCCOTHRINAX ARGENTATA)</li> <li>ZOMBIE PALM (ZOMBIA ANTILLARUM)</li> </ul>	
	GENERAL		<ul> <li>SAW PALMETTO (SERENOA REPENS)</li> <li>SILVER PALM (COCCOTHRINAX ARGENTATA)</li> <li>ZOMBIE PALM (<i>ZOMBIA ANTILLARUM</i>)</li> <li>FOR THESE PALMS, THE MINIMUM ROOT PRUNING TIME IS 4-6 MONTHS OR GREAT</li> </ul>	
3.1.1	GENERAL ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR TO ANY ROOTS BEING CUT TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH. 2. EACH TREE AND PALM MUST THEN BE WATERED EVERY OTHER DAY, NOT RELYING ON RAIN, DURING		<ul> <li>SAW PALMETTO (SERENOA REPENS)</li> <li>SILVER PALM (COCCOTHRINAX ARGENTATA)</li> <li>ZOMBIE PALM (ZOMBIA ANTILLARUM)</li> <li>FOR THESE PALMS, THE MINIMUM ROOT PRUNING TIME IS 4-6 MONTHS OR GREA SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING AN EARLIER REV NEXT ROOT PRUNE BE DONE, AND ONLY WHEN SUFFICIENT NEW ROOT GROWTH</li> </ul>	
3.1.1	GENERAL I. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR TO ANY ROOTS BEING CUT TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.		SAW PALMETTO (SERENOA REPENS) SILVER PALM (COCCOTHRINAX ARGENTATA)	
3.1.1 3.1.2	GENERAL ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR TO ANY ROOTS BEING CUT TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH. EACH TREE AND PALM MUST THEN BE WATERED EVERY OTHER DAY, NOT RELYING ON RAIN, DURING THE ENTIRE ROOT PRUNING PROCESS EITHER BY A TEMPORARY IRRIGATION SYSTEM OR BY HAND. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH. 3. TREE AND PALM RELOCATION ACTIVITIES MUST BE SCHEDULED SO THAT REMOVAL AND REPLANTING		<ul> <li>SAW PALMETTO (SERENOA REPENS)</li> <li>SILVER PALM (COCCOTHRINAX ARGENTATA)</li> <li>ZOMBIE PALM (ZOMBIA ANTILLARUM)</li> <li>FOR THESE PALMS, THE MINIMUM ROOT PRUNING TIME IS 4-6 MONTHS OR GREA SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING AN EARLIER REV NEXT ROOT PRUNE BE DONE, AND ONLY WHEN SUFFICIENT NEW ROOT GROWTH FOLLOWING THE FINAL ROOT PRUNE MAY THE TREE BE RELOCATED (SEE SECTION)</li> </ul>	
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3.1.1 3.1.2	<ol> <li><u>GENERAL</u></li> <li>ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR TO ANY ROOTS BEING CUT TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.</li> <li>EACH TREE AND PALM MUST THEN BE WATERED EVERY OTHER DAY, NOT RELYING ON RAIN, DURING THE ENTIRE ROOT PRUNING PROCESS EITHER BY A TEMPORARY IRRIGATION SYSTEM OR BY HAND. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.</li> <li>TREE AND PALM RELOCATION ACTIVITIES MUST BE SCHEDULED SO THAT REMOVAL AND REPLANTING TAKE PLACE IN THE SAME 24-HOUR PERIOD. NO TREES OR PALMS MAY BE "STOCKPILED" ONSITE OR OFFSITE FOR ANY PERIOD OF TIME WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. WHEN ALLOWED, APPROVAL FOR THE METHOD OF "STOCKPILING" MUST BE OBTAINED</li> </ol>	4.	<ul> <li>SAW PALMETTO (SERENOA REPENS)</li> <li>SILVER PALM (COCCOTHRINAX ARGENTATA)</li> <li>ZOMBIE PALM (ZOMBIA ANTILLARUM)</li> <li>FOR THESE PALMS, THE MINIMUM ROOT PRUNING TIME IS 4-6 MONTHS OR GREA SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING AN EARLIER REV NEXT ROOT PRUNE BE DONE, AND ONLY WHEN SUFFICIENT NEW ROOT GROWTH FOLLOWING THE FINAL ROOT PRUNE MAY THE TREE BE RELOCATED (SEE SECT SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH</li> </ul>	
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<ul> <li>3.1.1</li> <li>3.1.2</li> <li>3.1.3</li> <li>3.1.4</li> <li>3.1.5</li> <li>3.1.6</li> <li>3.1.7</li> <li>3.2.1</li> <li>3.2.1</li> <li>3.2.1</li> <li>3.2.2</li> </ul>	GENERAL           1. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR TO ANY ROOTS BEING CUT TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.           2. EACH TREE AND PALM MUST THEN BE WATERED EVERY OTHER DAY, NOT RELYING ON RAIN, DURING THE ENTIRE ROOT PRUNING PROCESS EITHER BY A TEMPORARY IRRIGATION SYSTEM OR BY HAND. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.           3. TREE AND PALM RELOCATION ACTIVITIES MUST BE SCHEDULED SO THAT REMOVAL AND REPLANTING TAKE PLACE IN THE SAME 24-HOUR PERIOD. NO TREES OR PALMS MAY BE "STOCKPILED" ONSITE OR OFFSITE FOR ANY PERIOD OF TIME WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. WHEN ALLOWED, APPROVAL FOR THE METHOD OF "STOCKPILING" MUST BE DATENED FROM THE LANDSCAPE ARCHITECT.           4. ALL DIGGING IN THE ROOT DRUING THE ROOT PRUNE PROCESS MUST BE DONE BY HAND. WIST BE OLS. DO NOT PAINT CUT ROOTS WITH TREE PAINT OR ANY KIND OF SEALANT.           5. MYCORFHLZ (ROOTS® TRANSPLANT OR EQUIVALENT) MUST BE INCORPORATED INTO THE BACKFILL SOIL, PRIOR TO BACKFILLING AS PER MANUFACTURER'S RECOMMENDATIONS.           6. AFTER EACH ROOT PRUNE, EACH SECTION OF ROOTBALL THAT IS PRUNED MUST BE WRAPPED WITH BLACK PLAZIC AND THE TRENCH BACKFILLED WITH ORIGINAL EXCAVATED SOIL. A TREE RING WITH A MINIMUM HEIGHT OF 6' MUST BE CONSTRUCTED 6-12' OUTSIDE THE OUTERMOST DEGC OF THE ROOTBALL AND AROUND THE ENTRE PREIMETER OF THE ROOTBALL TO DIRECT IRRIGATION WATER AND ANY ADDED SUPPLEMENTS DOWN INTO THE ROOTBALL DURING ROOT REGENERATION.           0. ONCE THE TREE RELOCATION OF ROOTS MUST BE IDENTIFIED TO DETERMINE THE ROOTBALL AND AROUND SPECIFICATION SUS "CEMPERAL TO LEXE' TO CALCULATE MINIMUM ROOTBALL DAMY TREE RELOCATION SPECIFICATIONS USE "CEMPERAL	4. 4. 4. 4. 4. 4. 4. 4. 2. 4.2 4.2 4.2	<ul> <li>SAW PALMETTÖ (SERENOA REPENS)</li> <li>SILVER PALM (COCCOTHRINAX ARGENTATA)</li> <li>ZOMBIE PALM (ZOMBIA ANTILLARUM)</li> <li>FOR THESE PALMS, THE MINIMUM ROOT PRUNING TIME IS 4-6 MONTHS OR GREAT</li> <li>SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING AN EARLIER RINEXT ROOT PRUNE BE DONE, AND ONLY WHEN SUFFICIENT NEW ROOT GROWTH</li> <li>FOLLOWING THE FINAL ROOT PRUNE MAY THE TREE BE RELOCATED (SEE SECT)</li> <li>SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH</li> <li>PRUNE PROCESS).</li> <li>CANOPY PRUNING SPECIFICATIONS</li> <li>ITREES</li> <li>1. TREES</li> <li>1. PRIOR TO RELOCATION, THE CANOPY OF EACH TREE TO BE RELOCATED MUSPRUNED TO REMOVE CROSSING, DEAD, DISEASED, BROKEN, AND LOW-HANG INTERFERE WITH CONSTRUCTION ACTIVITIES, OR THAT MAY INTERFERE OR ILLIFTING THE TREE DURING RELOCATED ONSITE, THE CANOPY MAY BE SELECTIVELY BY NO MORE THAN 1/3 OF THE OVERALL CANOPY MAY BE SELECTIVELY BY NO MORE THAN 1/3 OF THE OVERALL CANOPY MASS, AT THE DIRECTION CARCHITECT, HOWEVER, THE BASIC SHAPE, FORM, AND CHARACTER OF THE PRESERVED.</li> <li>13. FOR TREES BEING RELOCATED OFFSITE, THE CANOPY MUST BE PRUNED, AT LANDSCAPE ARCHITECT, TO FIT ON THE TRAILER FOR TRANSPORT. EVERY E RETAIN AS MANY LARGE BRANCHES AS POSSIBLE TO THE WIDEST LOAD WIDTH AN FLORIDA DEPARTMENT OF TRANSPORTATION. CONTRACTOR MUST OBTAIN A AND ESCORTS TO TRANSPORT WIDE LOADS, PER FLORIDA LAW.</li> <li>14. ALL CANOPY PUNNING MUST BE CONDUCTED FOLLOWING ANSI A-300 TREE F BEST MANAGEMENT PRACTICES.</li> <li>15. ALL DEBRIS GENERATED DURING CANOPY PRUNING MUST BE REMOVED OFF</li> <li>PALMS</li> <li>21. IT IS WELL KNOWN THAT SOME PALMS SURVIVE RELOCATION BETTER WHEN REMOVED (E.G., CABBAGE PALM, SABAL PALMETTO), AND THAT OTHER PALM THEIR LEAVES CUT IN HALF DURING CANOPY PRUNING MUST BE REMOVED OFF</li> <li>PALMS</li> <li>21. IT IS WELL KNOWN THAT SOME PALMS SURVIVE RELOCATION BETTER WHEN REMOVED (E.G., CABBAGE PALM, SABAL PALMETTO), AND THAT OTHER PALM THEIR LEAVES DO NOT NEED TO BE CUT IN HALF OR REMOVED OFF</li> <li>PALMS</li></ul>	
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#### 5. RELOCATION SPECIFICATIONS

#### 5.1. <u>GENERAL</u>

- 5.1.1. LANDSCAPE CONTRACTOR TO FLAG ALL PROPOSED PLANT LOCATIONS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION. NOTIFY LANDSCAPE ARCHITECT A MINIMUM OF 15 DAYS PRIOR TO REVIEW.
- 5.1.2. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 5 DAYS PRIOR TO ANY RELOCATION TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.
- 5.1.3. ALL ROOTBALLS MUST BE WRAPPED IN BURLAP AND THEN TIGHTLY WIRE-WRAPPED (USING REDLINE HORSE WIRE OR EQUIVALENT) TO KEEP THE ENTIRE ROOTBALL INTACT DURING RELOCATION. TREES AND PALMS GROWING IN LIMESTONE MUST BE DUG AND RELOCATED WITH THE ROOTS ATTACHED TO A SECTION OF ROCK AS PART OF THE ROOTBALL, SUCH THAT THE ROOTS REMAIN INTACT. ROOTBALLS COMING FROM SAND OR SANDY SOIL MAY ALSO NEED TO BE BOXED PRIOR TO RELOCATION, AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.
- 5.1.4. TREES AND PALMS BEING RELOCATED OFFSITE MUST HAVE THEIR ENTIRE ROOTBALLS THOROUGHLY AND TIGHTLY WRAPPED WITH PLASTIC SHRINK WRAP ON THE OUTSIDE OF THE WIRE WRAP, AND THE ENTIRE TREE OR PALM (INCLUDING CANOPY, TRUNK, AND ROOTBALL) MUST BE COVERED WITH A BREATHABLE TARP (E.G., SHADE CLOTH) DURING TRANSPORT.
- 5.1.5. NEW PLANTING PITS FOR RELOCATED TREES AND PALMS MUST BE PREPARED PRIOR TO LIFTING THE PALM OR TREE FROM ITS CURRENT LOCATION AND MUST BE AT LEAST 3-4 FEET WIDER THAN THE ROOTBALL AND THE SAME DEPTH AS THE ROOTBALL, SUCH THAT THE FINAL ELEVATION OF THE TOP OF THE ROOTBALL IS AT OR SLIGHTLY ABOVE (NO MORE THAN 2" HIGHER) FINAL GRADE. 5.1.6. TREES AND PALMS TO BE RELOCATED MUST BE LIFTED BY THE ROOTBALL ONLY, USING
- APPROPRIATELY SIZED (LENGTH AND STRENGTH) LIFTING STRAPS OR CHAINS. DURING LIFTING, THE TREE OR PALM MUST BE BALANCED IN A MORE-OR-LESS UPRIGHT POSITION, WITH THE STRAP ON THE TRUNK USED ONLY FOR BALANCING AND MANEUVERING THE TREE OR PALM INTO POSITION. NO CHAINS MAY BE USED AROUND OR AGAINST THE TRUNK AT ANY TIME. AT NO TIME SHALL 100% OF THE WEIGHT OF THE TREE OR PALM BE ON THE STRAP ATTACHED TO THE TRUNK. TRUNKS MUST BE HEAVILY PADDED WITH 30-60 LAYERS (DEPENDING ON SIZE AND WEIGHT) OF BURLAP BENEATH THE BALANCING STRAP.
- 5.1.7. TREES AND PALMS MUST BE LIFTED WITH A CRANE OR BACKHOE APPROPRIATELY SIZED FOR THE SIZE AND WEIGHT OF THE TREE OR PALM AND LIFTED OR CARRIED DIRECTLY TO THE FINAL INSTALL LOCATION OR TRANSPORT TRAILER.
- 5.1.8. ONCE LIFTING BEGINS, ANY UNCUT ROOTS UNDER OR AROUND THE ROOTBALL THAT MAY YET REMAIN MUST BE IMMEDIATELY SEVERED WITH HAND PRUNING TOOLS TO MINIMIZE TEARING AND ROOT DAMAGE
- 5.1.9. AGRIFORM PLANTING TABLETS (OR APPROVED EQUIVALENT) MUST BE EVENLY DISTRIBUTED AROUND THE PERIMETER OF THE PLANTING PIT AT THE RATE OF 2 TABLETS PER 1" TRUNK CALIPER PRIOR TO BACKFILLING.
- 5.1.10. MYCORRHIZA (ROOTS® TRANSPLANT OR EQUIVALENT) MUST BE INCORPORATED INTO THE BACKFILL SOIL PRIOR TO BACKFILLING. 5.1.11. RELOCATED TREES AND PALMS MUST BE CENTERED IN THE PLANTING PIT, AND THE PIT BACKFILLED USING A 1:1 MIXTURE OF EXISTING SOIL AND 80:20 (DOT SAND:MUCK) SOIL MIX THOROUGHLY BLENDED
- TOGETHER. DO NOT USE MUDDY SOIL AS BACKFILL. (SEE 5.2.2 BELOW FOR SPECIAL CONDITIONS REGARDING DATE PALM BACKFILL SPECIFICATIONS.) 5.1.12. SMALL TREES AND PALMS MUST BE FIRMLY BRACED USING A MINIMUM OF FOUR 4" X 4" WOODEN
- BRACES ATTACHED TO 2" X 4" WOODEN BATTENS HELD IN PLACE WITH TWO STEEL BANDS. LARGER TREES MAY REQUIRE 6" X 6" WOODEN POSTS OR EVEN TELEPHONE POLES TO PROVIDE SUFFICIENT BRACING STRENGTH TO PREVENT TOPPLING DURING WIND EVENTS. A SUFFICIENT NUMBER OF BATTENS MUST BE STRATEGICALLY PLACED AROUND THE TRUNK SUCH THAT THE STEEL BANDS NEVER CONTACT THE TRUNK. NO BURLAP IS TO REMAIN UNDER THE WOODEN BATTENS ON TREES DURING BRACING, BUT SEVERAL LAYERS OF BURLAP SHOULD BE LEFT UNDER THE WOODEN BATTENS WHEN BRACING PALMS. NAILS SHALL NEVER BE DRIVEN DIRECTLY INTO THE TRUNK DURING BRACING. BRACING MUST REMAIN IN PLACE FOR A MINIMUM OF ONE YEAR.
- 5.1.13. A TREE RING WITH A MINIMUM HEIGHT OF 6" MUST BE CONSTRUCTED 6-12" OUTSIDE THE OUTERMOST EDGE OF THE ROOTBALL AND AROUND THE ENTIRE PERIMETER OF THE ROOTBALL TO DIRECT IRRIGATION WATER AND ANY SUPPLEMENTS THAT ARE ADDED DOWN INTO THE ROOTBALL DURING ROOT REGENERATION.
- 5.1.14. ONCE THE TREE RING IS CONSTRUCTED, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE LIBERALLY APPLIED TO THE SURFACE OF THE ROOTBALL AND THOROUGHLY WATERED IN. 5.1.15. ROOTBALLS MUST BE THOROUGHLY WATERED IN USING A HOSE AND A JOHNSON BAR INSERTED TO
- THE VERY BOTTOM OF THE ROOTBALL AND SWUNG BACK AND FORTH TO PREVENT FORMATION OF AIR POCKETS. THE JOHNSON BAR TECHNIQUE MUST BE REPEATED AT LEAST ONCE MORE WITHIN ONE WEEK AFTER RELOCATION, AND AGAIN IF ANY SIGNS OF STRESS BECOME APPARENT.
- 5.1.16. ORGANIC MULCH (MELALEUCA IS PREFERRED) MUST BE APPLIED WITHIN 48 HOURS OF RELOCATION AT A DEPTH OF 3-4" OVER THE ENTIRE TOP OF THE ROOTBALL FROM THE TREE RING TO WITHIN 6" OF THE TRUNK. MULCH MUST NOT BE APPLIED OR ALLOWED TO ACCUMULATE DIRECTLY AGAINST THE TRUNK.
- 5.1.17. PITS FROM WHICH THE RELOCATED TREES AND PALMS WERE REMOVED MUST BE CLEANED OF ALL RESIDUAL ROOTS, STUMPS, AND PORTIONS THEREOF AND BACKFILLED WITH CLEAN FILL FLUSH WITH THE SURROUNDING GRADE.
- 5.1.18. RESTORE THE SURFACE WITH MATERIAL TO MATCH ADJACENT AREAS. MATERIAL TO BE APPROVED BY LANDSCAPE ARCHITECT. CONTRACTOR TO PROVIDE A MINIMUM OF ONE YEAR WARRANTY ON SETTLING AND PLANT MATERIAL FROM TIME OF SUBSTANTIAL COMPLETION.
- 5.2. SPECIAL CONDITIONS
- 5.2.1. MULTI-TRUNK TREES AND PALMS MUST BE RELOCATED AS ONE UNIT WITH A SINGLE ROOTBALL. 5.2.2. PLANTING PITS FOR EDIBLE DATE PALMS (PHOENIX DACTYLIFERA) MUST BE BACKFILLED WITH PURE DOT SILICA SAND.

#### 6. MAINTENANCE SPECIFICATIONS

#### 6.1. GENERAL

- 6.1.1. ALL RELOCATED TREES AND PALMS MUST BE MAINTAINED FOR ONE YEAR FROM THE DATE OF RELOCATION TO THEIR FINAL LOCATIONS.
- 6.1.2. CONTRACTOR MUST MAINTAIN ALL RELOCATED TREES AND PALMS FOR ONE FULL YEAR FROM THE DATE OF RELOCATION TO THE FINAL LOCATION.
- 6.1.3. WHENEVER POSSIBLE, EACH TREE AND PALM MUST BE WATERED BY A PERMANENT AUTOMATIC IRRIGATION SYSTEM FOLLOWING RELOCATION. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH; THIS WILL REQUIRE 25-50 GALLONS OF WATER FOR SMALL TREES AND PALMS, DEPENDING ON ROOTBALL SIZE, WHILE LARGE TREES WILL REQUIRE A MINIMUM OF 10 GALLONS PER FOOT OF ROOTBALL DIAMETER (I.E., A 10' DIAMETER ROOTBALL WILL REQUIRE A MINIMUM OF 100 GALLONS PER WATERING EVENT). WATERING FREQUENCY MUST BE EVERY DAY FOR THE FIRST TWO WEEKS, EVERY OTHER DAY FOR THE NEXT THREE WEEKS, AND EVERY THIRD DAY FOR THE NEXT 6-8 WEEKS.
- 6.1.4. WHEN AN AUTOMATIC IRRIGATION SYSTEM IS NOT POSSIBLE, CONTRACTOR IS RESPONSIBLE FOR HAND WATERING RELOCATED TREES AND PALMS THROUGHOUT THE MAINTENANCE PERIOD AND UNTIL FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT AND/OR CLIENT.
- 6.1.5. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE APPLIED TO THE SURFACE OF THE ROOTBALL AT THE RECOMMENDED LABEL RATE AND WATERED IN WITH A DRENCH CONSISTING OF A SYSTEMIC INSECTICIDE AND A CONTACT ROOT ROT FUNGICIDE, FOLLOWING LABEL INSTRUCTIONS, AS INITIAL PREVENTATIVE MAINTENANCE.
- 6.1.6. EVERY THREE MONTHS THEREAFTER, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE APPLIED TO THE SURFACE OF THE ROOTBALL AT THE RECOMMENDED LABEL RATE AND WATERED IN WITH A DRENCH CONSISTING OF A SYSTEMIC INSECTICIDE AND A BROAD-SPECTRUM SYSTEMIC FUNGICIDE, FOLLOWING LABEL INSTRUCTIONS, AS CONTINUING PREVENTATIVE MAINTENANCE.
- 6.1.7. IRRIGATION AND BRACING MUST BE CHECKED AND EACH TREE OR PALM THOROUGHLY INSPECTED FOR SIGNS OF STRESS, DISEASE, OR PEST PROBLEMS ON A MONTHLY BASIS.

#### 6.2. SHADE TREES

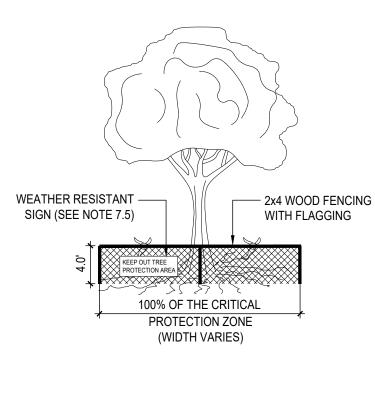
- 6.2.1. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER, A HIGH-QUALITY, SLOW-RELEASE 15-2-15 GRANULAR FERTILIZER MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE, SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBALL.
- 6.2.2. FOLIAR FEED FOUR TIMES PER YEAR.
- 6.3. FLOWERING TREES
- 6.3.1. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER, A HIGH-QUALITY, SLOW-RELEASE 5-10-15 GRANULAR FERTILIZER MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE, SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBALL.
- 6.3.2. FOLIAR FEED FOUR TIMES PER YEAR.

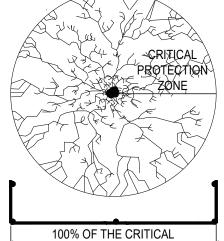
#### 6.4. PALMS

- 6.4.1. STRING MUST BE REMOVED FROM THE TIED UP LEAVES IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION IF THE PALM WAS ROOT PRUNED OR WITHIN 30-45 DAYS AFTER RELOCATION ON THE OCCASION THE LANDSCAPE ARCHITECT APPROVED RELOCATION WITHOUT ROOT PRUNING DUE TO TIME CONSTRAINTS.
- 6.4.2. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER, A HIGH-QUALITY, SLOW-RELEASE 8-4-12 GRANULAR PALM FERTILIZER WITH MINORS MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE, SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBALL. 6.4.3. FOLIAR FEED SIX TIMES PER YEAR.
- 7. TREE PROTECTION SPECIFICATIONS
- 7.1. TREE PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY
- INCLUDING GRUBBING FOR ALL TREES / PALMS TO REMAIN OR BE RELOCATED. 7.2. FENCES SHOULD BE OF STURDY CONSTRUCTION, PREFERABLY 2"x4" POSTS WITH WIRE MESH.
- ORANGE PLASTIC MESH FENCES ARE INEFFECTIVE BECAUSE THEY ARE EASILY REMOVED, DROPPED, KNOCKED DOWN, IGNORED, ETC. 7.3. FENCES MUST BE MAINTAINED INTACT UNTIL THE PROJECT IS COMPLETED. THEY SHOULD NOT BE
- REMOVED OR DROPPED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY'S URBAN FORESTER.
- 7.4. NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL LIGHTING, ETC.
- 7.5. PLACE WEATHER RESISTANT SIGN EVERY 50' ALONG THE BARRIER WITH 6" MINIMUM TEXT HEIGHT AND PROVIDE TEXT IN ENGLISH AND SPANISH. SIGN SHOULD READ "KEEP OUT TREE PROTECTION AREA".

#### 8. WARRANTY

- 8.1. ALL RELOCATED TREES AND PALMS MUST BE GUARANTEED FOR ONE YEAR FROM THE DATE OF RELOCATION TO THEIR FINAL LOCATIONS.
- 8.2. IF A TREE OR PALM DIES WITHIN THE 1-YEAR WARRANTY PERIOD, IT MUST BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.
- 8.3. IF A TREE OR PALM PERFORMS POORLY WITHIN THE 1-YEAR WARRANTY PERIOD, IT MUST BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THE DECISION TO REPLACE BASED ON POOR HEALTH IS AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.
- 8.4. IF A TREE OR PALM SETTLES TO AN UNHEALTHY DEPTH WITHIN THE 1-YEAR WARRANTY PERIOD, AS DEEMED BY THE LANDSCAPE ARCHITECT, IT MUST BE RAISED TO THE CORRECT GRADE AT CONTRACTOR'S EXPENSE.

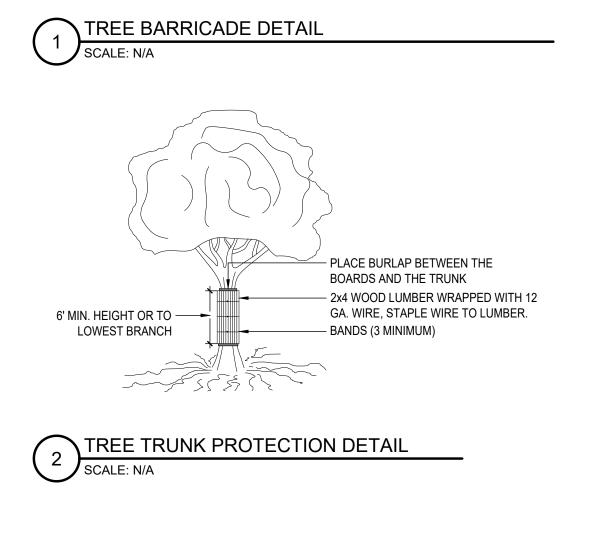




PROTECTION ZONE CRITICAL PROTECTION ZONE = AREA SURROUNDING TREE WITHIN A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT BREAST HEIGHT (DBH) PLAN

PROVIDE FOR TREE PROTECTION TO BE PERFORMED ACCORDING TO FDOT STANDARD PLANS INDEX 110-100.

ELEVATION



# **CIVIL ENGINEER Kimley»Horn** 1920 WEKIVA WAY, SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106 ARCHITECT FAIRFAX & SAMMONS FAIRFAX, SAMMONS & PARTNERS, LLC 214 BRAZILIAN AVENUE PALM BEACH, FL 33480 PHONE: (561) 805-8591 LANDSCAPE ARCHITECT jungles RAYMOND JUNGLES, INC. 2964 AVIATION AVENUE MIAMI, FL 33133 PHONE: (305) 858-6777 COA: 22-037 ZON: 22-107 DATE REVISIONS PROJECT No. DATE 10/28/202 AS SHOWN SCALE DESIGNED BY DRAWN BY CHECKED BY TREE DISPOSITION NOTES PHIPPS OCEAN PARK PREPARED FOR **TOWN OF PALM** BEACH

SHEET NUMBER LR.300

<ol> <li>THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION), AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK.</li> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.</li> <li>IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR <u>MUST</u> CALL THE UTILITY COMPANIES BEFORE COMMENCING WORK.</li> </ol>	ALL CONSTRUCTION SHA OCCUPATIONAL SAFETY PAVING, GRA 1. ALL PAVING, CONS
<ul> <li>CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.</li> <li>IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL</li> </ul>	1. ALL PAVING, CONS
<ul> <li>ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.</li> <li>IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL</li> </ul>	
COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL	IN ACCORDANCE WI FDOT SPECIFICATION REGULATIONS, WHIC
THE UTILITY COMPANIES BEFORE COMMENCING WORK.	3. TRAFFIC CONTROL
<ol> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.</li> </ol>	OF THE MANUAL O THE STATE AND AN DOCUMENTS AND T STRINGENT SHALL
<ol> <li>THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.</li> </ol>	4. THE CONTRACTOR S WASHOUTS WHERE OR ADEQUATE STAI
6. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND THE ENGINEER.	5. ALL OPEN AREAS N OTHERWISE ON THE
7. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.	6. ALL AREAS INDICAT PAVEMENT SECTION
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL	<ol> <li>WHERE EXISTING PA SAW CUT A MINIMU THE SAME TYPE AN</li> <li>8. WHERE NEW PAVEM</li> </ol>
SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE	EXISTING PAVEMEN EXISTING PAVEMEN 9. THE CONTRACTOR
COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE	OF CONSTRUCTION STRUCTURES AND I REQUIRED DURING
CONTRACTOR. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN FYISTING OR OTHER PROPOSED	10. IF DEWATERING IS I THE CONTRACTOR I
SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.	<ol> <li>CONTRACTOR TO S SOME CASES TOPS ONLY AS DIRECTED</li> <li>FIELD DENSITY TES</li> </ol>
11. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL QUANTITIES, TAKE-OFF MEASUREMENTS, MATERIALS, ETC. DURING THE BID PROCESS WHEN DISCREPANCIES OCCUR, THE PHYSICAL PLAN TAKES PRECEDENCE. THE ENGINEER, LANDSCAPE ARCHITECT, COUNTY, CITY OR	JURISDICTIONAL AG AND THE JURISDICT GOVERN.
<ul> <li>PROJECT MANAGERS ARE NOT TO BE HELD RESPONSIBLE FOR DISCREPANCIES TO THE SPECIFICATIONS OR PLANS.</li> <li>12. THE CONTRACTOR SHALL LIMIT CONSTRUCTION OPERATIONS TO WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGES OUTSIDE THE</li> </ul>	13. ALL SLOPES AND A AREAS SHALL THEN MAINTAINED UNTIL DISTURBED FOR AN CONTRACTOR AT N
<ol> <li>CONTRACTOR IS ADVISED THAT THE U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIRES THAT ALL OPERATORS FILE A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH</li> </ol>	14. ALL CUT OR FILL S SHOWN.
CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT PRIOR TO BEGINNING WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN THE SAME. A COPY SHALL BE SENT TO THE ENGINEER OF RECORD, ARCHITECT OF RECORD AND THE OWNER.	15. THE CONTRACTOR S NOT COMPACTED A EXCAVATE AND REI AND PROPERLY DIS
14. FLORIDA LAW (F.S. 553.851) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT 'NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF PROPOSED EXCAVATION." THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 2 WORKING DAYS AND A MAXIMUM OF 5 WORKING DAYS PRIOR TO EXCAVATION.	18. CONTRACTOR TO S ANY CONCRETE. PRECONSTRU
15. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE LOCAL ELECTRICAL PROVIDER ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.	1. UPON RECEIPT OF N CONFERENCE TO INC
16. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL PLANS RELATED TO SITE WORK INCLUDING (BUT NOT LIMITED TO) LANDSCAPE, IRRIGATION, SITE LIGHTING, BUILDING FOUNDATION, PLUMBING, FIRE SPRINKLER, AND OTHER APPLICABLE PLANS FOR CONFLICTING INFORMATION AND ALERT OWNER'S REPRESENTATIVE OF ANY CONFLICT FOR RESOLUTION.	OWNER, THE ENGINE 2. THE CONTRACTOR SI WORKING DAYS PRIC
<ul> <li>17. CONTRACTOR SHALL VERIFY LOCATION OF ALL IRRIGATION, STREET LIGHTING, AND ELECTRICAL CONDUIT THAT WILL BE IN CONFLICT WITH ANY PROPOSED CONSTRUCTION AND SHALL RESOLVE CONFLICT ACCORDINGLY. COST OF CONFLICT RESOLUTION SHALL BE INCLUDED IN THE BID.</li> </ul>	<ol> <li>PRIOR TO BEGINNING AND MATERIAL OF A</li> <li>EXISTING UTILITY LO</li> </ol>
CONFLICT ACCORDINGLY. COST OF CONFLICT RESOLUTION SHALL BE INCLUDED IN THE BID. 18. ANY DEBRIS RESULTING FROM STRIPPING AND DEMOLITION OPERATIONS SHALL BE REMOVED FROM THE SITE AT FREQUENT INTERVALS TO PREVENT THIS MATERIAL FROM ACCUMULATING ON SITE.	RESPONSIBILITY FOR SHOWN.
19. UPON REMOVAL OF TREES, SHRUBS OR ANY STUMP GRINDING, NO ROOT GREATER THAN THREE INCHES IN DIAMETER SHALL REMAIN WITHIN FIVE FEET OF AN UNDERGROUND STRUCTURE OR UTILITY LINE OR UNDER SLABS OR FOOTINGS OR PAVED AREAS.	5. IF UPON EXCAVATION CONSTRUCTION OR T CONTRACTOR SHALL
20. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.	TRENCH SAF
21. THE CONTRACTOR SHALL ENSURE THAT ANY TREE OR SHRUB PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE TOWN OF PALM BEACH STANDARD DETAILS.	<ol> <li>CONTRACTOR SHALL SAFETY ACT.</li> <li>WHERE EXCAVATION</li> </ol>
DEMOLITION NOTES	INCLUDE THE FOLLO
1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.	CONSTRUCTION B. WRITTEN ASSUF
<ol> <li>REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE</li> </ol>	CONTRACTOR V C. A SEPARATE II
TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND	STANDARDS. 3. WHEN A BID IS NO THE ENGINEER PRIC
DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS. 3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND LANDSCAPE PLAN FOR DEMOLITION (PRESERVATION OF EXISTING TREES, AND TREES, NOT SPECIFICATION OF EXISTING TREES.	WATER AND
DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. CONTRACTOR TO SEE LANDSCAPE PLAN FOR TREE PROTECTION REQUIREMENTS. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTE EXISTING TREES TO REMAIN. SHOULD ANY TREE TO BE	1. ALL CONSTRUCTION FLORIDA DEPARTMI THE CONTRACTOR'S AGENCY.
REMAIN BE DAMAGED BY THE CONTRACTOR, IT WILL REQUIRE REPLACEMENT IN KIND.	2. THE CONTRACTOR AS SHOWN ON THE
1. THE CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO SURVEY MAKERS DURING CONSTRUCTION. ANY SURVEY MARKERS DAMAGED DURING CONSTRUCTION WILL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.	MACHINERY, TOOLS FULL AND COMPLE REQUIREMENTS OF EVENT THAT THE (
2. BENCHMARK LOCATION AND ELEVATION ARE AS REPRESENTED BY SURVEYOR AT THE TIME OF SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT TIME OF CONSTRUCTION.	AGREEMENT, THE N 3. EXISTING UTILITIES AT THE TIME OF T
3. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88).	SHOWN OR THAT 1
INTERRUPTION OF EXISTING UTILITIES	LOCATION OF ANY BEFORE HE COMME RESPONSIBLE FOR
ANY CONSTRUCTION WORK THAT REQUIRES INTERRUPTION OF SERVICE TO ANY CUSTOMER SHALL BE DONE SO WITH A MINIMUM OF SEVENTY-TWO (72) HOUR NOTICE TO, AND WRITTEN APPROVAL BY THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL ARRANGE A MEETING WITH THE LOCAL JURISDICTIONAL AGENCIES AND OTHER GOVERNING AGENCIES, AND OTHER AFFECTED UTILITIES PRIOR TO SCHEDULING THE SHUTDOWN TO ASSESS THE SCOPE OF WORK. ALL SYSTEM SHUT DOWNS SHALL BE SCHEDULED BY THE CONTRACTOR AT SUCH THAT SYSTEM DEMAND IS LOW. THIS GENERALLY REQUIRES NIGHT TIME WORK BY THE CONTRACTOR	PRESERVE ANY AN FOR ANY DAMAGES EXISTING UTILITIES NECESSARY TO SH AFFECTED SHALL E SUCH WORK
SUCH TIME THAT SYSTEM DEMAND IS LOW. THIS GENERALLY REQUIRES NIGHT TIME WORK BY THE CONTRACTOR AND REQUIRES FULL TIME INSPECTION BY A REPRESENTATIVE OF THE UTILITY. ALL COST FOR OVERTIME WORK	SUCH WORK. 4. DEFLECTION OF PIF

### JCTION SAFETY

ON SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE <sup>5.</sup> AFETY AND HEALTH ADMINISTRATION (OSHA), THE FLORIDA DEPARTMENT OF TRANSPORTATION

- GRADING AND DRAINAGE NOTES
- CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN PUBLIC RIGHT-OF-WAY SHALL BE INCE WITH LOCAL COUNTY OR STATE SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY S, WHICHEVER IS MOST RESTRICTIVE.
- ITROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS UAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF
- AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST HALL GOVERN. CTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE
- WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED TE STABILIZATION OCCURS. REAS WITHIN THE PROJECT SITE SHALL BE SODDED WITH BAHIA SOD UNLESS INDICATED
- ON THE ENGINEERING OR LANDSCAPE PLANS. INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL SECTIONS AS INDICATED ON THE DRAWINGS.
- TING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH YPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE VEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE VEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
- CTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION CTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CLEANED OF DEBRIS AS JRING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- NG IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. CTOR IS TO COORDINATE WITH THE OWNER AND THE ENGINEER PRIOR TO ANY EXCAVATION. TO STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT RECTED BY THE OWNER.
- TY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL IAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS RISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL
- AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE L THEN BE SODDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED, AND UNTIL A GOOD STAND OF GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS OR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE AT NO ADDITIONAL COST TO THE OWNER.
- FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE
- CTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE CTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO ND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED RLY DISPOSED OF IN A LEGAL MANNER. IR TO SUBMIT JOINT SPACING PLAN FOR ENGINEER'S REVIEW PRIOR TO INSTALLATION OF
- TRUCTION RESPONSIBILITIES
- T OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE ENGINEER AND ITSELF.
- TOR SHALL CONTACT "SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811)" AT LEAST 2 S PRIOR TO BEGINNING ANY EXCAVATION.
- SINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, L OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
- ITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO Y FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT
- AVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED N OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS; THE SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- <u>SAFETY ACT</u>
- SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH
- VATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED. THE CONTRACTOR SHALL FOLLOWING INFORMATION IN THE BID:
- ENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF JCTION OF THE PROJECT. ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXACTION THAT SUCH
- CTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
- IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM "2" TO 20. THE WATER SYSTEM SHALL BE CLEANED OF DEBRIS, FLUSHED AND TESTED FOR A PERIOD OF NOT LESS THAN 2 HOURS AT A MINIMUM STARTING PRESSURE OF 130 PSI WITH AN ALLOWABLE LEAKAGE NOT TO
- AND SEWER UTILITY NOTES
- CUCTION SHALL MEET OR EXCEED THE LOCAL WATER AND SEWER REQUIREMENTS AND THE PARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED. IT IS ACTOR'S RESPONSIBILITY TO OBTAIN THE SPECIFICATIONS AND DETAILS FROM THE LOCAL
- ACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES AND GRAVITY SEWER LINES ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED ITS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN THE MOST STRINGENT SHALL GOVERN.
- ILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER E OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL F ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY E FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND NY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY AMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF ILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT HALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR
- DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.

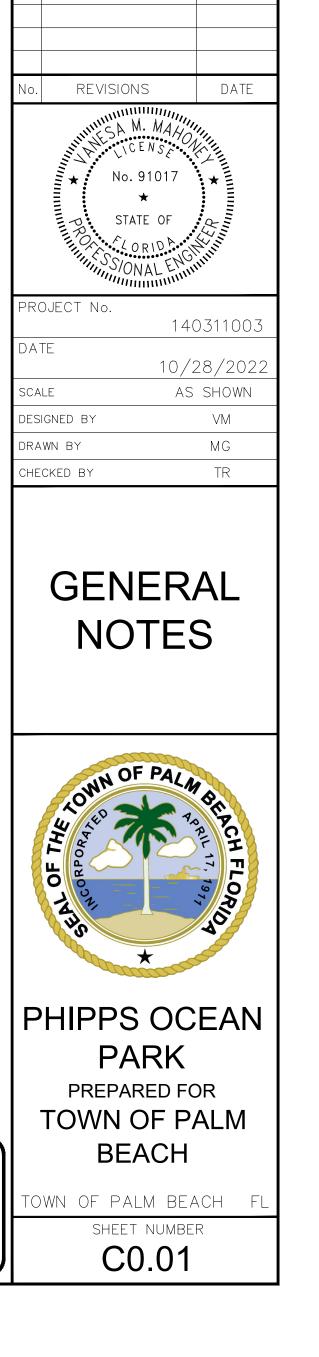
- ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING OF ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 5. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
- 7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- . UNDERGROUND LINES SHALL BE AS-BUILT BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR BEFORE BACK FILLING.
- 9. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.
- 10. ALL PIPES AND CONNECTIONS ARE TO BE RESTRAINED IN ACCORDANCE WITH THE DETAILS OR JURISDICTIONAL AGENCY REQUIREMENTS, WHICHEVER IS MOST STRINGENT.
- 11. ALL WATER DISTRIBUTION SYSTEM MATERIALS (INCLUDING SERVICES) AND INSTALLATION SHALL CONFORM TO THE SPECIFICATIONS OF THE LOCAL WATER PROVIDER AS PROVIDED IN THEIR STANDARD SPECIFICATIONS MANUAL AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN SPECIFICATION MANUALS PRIOR TO BIDDING THE PROJECT.
- 12. ALL POTABLE WATER PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED OR MARKED IN ACCORDANCE WITH F.A.C. 62–555.320(21)(B)3, USING BLUE AS THE PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE WILL BE SOLID-WALL BLUE PIPE WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL, PIPE STRIPED DURING THE MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING AND AFTER INSTALLATION OF THE PIPE, THE TAPE OR PAINT WILL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OR 24" OR GREATER. TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.
- 13. ALL WATER MAINS ARE DESIGNED FOR A MINIMUM WORKING PRESSURE OF 150 PSI, HAVE COMPRESSION TYPE BELL JOINTS AND BE EITHER ANSI/AWWA C-151/A21.51-02 DUCTILE IRON PIPE (D.I.P.), CLASS 50 FOR 6"DIAMETER PIPE AND LARGER AND CLASS 51 IF PIPE DIAMETER IS SMALLER THAN 6"OR ANSI/AWWA C-900-97, PVC PIPE WITH A MINIMUM SDR OF 18. ALL D.I.P. WATER MAINS SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARDS. ALL D.I.P. FORCE MAINS SHALL BE COATED OUTSIDE WITH A BITUMINOUS COATING APPROXIMATELY ONE MIL THICK IN ACCORDANCE WITH ANSI 21.51-8, CEMENT MORTAR LININGS ARE NOT APPROPRIATE FOR THIS APPLICATION. ALL D.I.P. FORCE MAINS AND GRAVITY SEWER MAINS SHALL BE COATED INSIDE WITH POLYBOND VIRGIN POLYETHYLENE COMPLYING WITH A.S.T.M. DESIGNATION D 1248 AND HAVE A MINIMUM "N" VALUE OF 0.012. SEE PROJECT SPECIFICATIONS MANUAL FOR MORE DETAILS. OR PROTECTOR 401 CEREMIC EPOXY. ALL PIPES SHALL BE LAID WITH A MINIMUM OF 36"CLEAR COVER UNLESS OTHERWISE INDICATED.
- 14. STORM SEWER, GRAVITY WASTEWATER, FORCE MAINS AND RECLAIMED WATER MAINS CROSSING UNDER POTABLE WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF TWELVE (12) INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED BETWEEN GRAVITY SEWER OR STORM SEWER, THE CROSSING SHALL BE ARRANGED SO THAT THE STORM/GRAVITY SEWER PIPE JOINTS AND POTABLE WATER MAIN JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN SIX (6) FEET BETWEEN ANY TWO JOINTS, BOTH PIPES SHALL BE D.I.P., AND THE MINIMUM VERTICAL SEPARATION SHALL BE SIX (6) INCHES. WHERE THERE IS NO ALTERNATIVE TO STORM/WASTEWATER/FORCE MAIN/RECLAIMED WATER MAINS CROSSING OVER A POTABLE WATER MAIN, THE CRITERIA FOR MINIMUM TWELVE (12) INCH VERTICAL SEPARATION BETWEEN LINES AND JOINT ARRANGEMENT, AS STATED ABOVE, SHALL BE REQUIRED, AND BOTH PIPES SHALL BE D.I.P. IRRESPECTIVE OF SEPARATION, IN ALL OF THE ABOVE CASES D.I.P. IS NOT REQUIRED FOR STORM SEWER PIPE.
- 15. FORCE MAINS CROSSING RECLAIMED WATER MAINS OR STORM SEWER SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF TWELVE (12) INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND THE OUTSIDE OF THE RECLAIMED WATER MAIN OR STORM SEWER AND THE RECLAIMED WATER MAIN SHALL CROSS OVER THE FORCE MAIN.
- 16. AT THE UTILITY CROSSING DESCRIBED IN ITEMS 14 AND 15 ABOVE, ONE FULL LENGTH OF DUCTILE IRON WATER MAIN PIPE SHALL BE CENTERED SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE JOINTS. WHERE THIS IS NOT POSSIBLE, JOINTS SHALL BE AT LEAST THREE (3) FEET FROM STORM SEWERS AND SIX (6) FEET FROM GRAVITY SEWER MAINS, FORCE MAINS AND RECLAIMED WATER MAINS.
- 17. SEWER SERVICE LATERALS SHALL CROSS UNDER WATER MAINS WITH A MINIMUM VERTICAL SEPARATION OF TWELVE (12) INCHES. IF 12" VERTICAL SEPARATION CANNOT BE MAINTAINED, THEN THE WATER MAIN SHALL BE D.I.P. AND THE SEWER SERVICE LATERAL SHALL BE C-900 SDR 18 OR BETTER AND THE MINIMUM SEPARATION SHALL BE SIX (6) INCHES. WHEN IT IS NOT POSSIBLE FOR THE WATER MAIN TO CROSS OVER THE SEWER SERVICE LATERAL A MINIMUM VERTICAL SEPARATION OF AT LEAST TWELVE (12) INCHES MUST BE MAINTAINED, THE WATER MAIN SHALL BE D.I.P. AND THE SEWER SERVICE LATERAL A MINIMUM VERTICAL SEPARATION OF AT LEAST TWELVE (12) INCHES MUST BE MAINTAINED, THE WATER MAIN SHALL BE D.I.P. AND THE SEWER LATERAL SHALL BE C-900 SDR 18 OR BETTER.
- 18. WATER AND WASTEWATER MAINS SHALL BE LOCATED A MINIMUM OF TEN (10) FEET HORIZONTAL FROM OTHER PUBLIC UTILITIES OR PRIVATELY OWNED MAINS WHEN INSTALLED PARALLEL, UNLESS SPECIFICALLY APPROVED BY POA. A MINIMUM OF TEN (10) FEET OF HORIZONTAL SEPARATION IS ALSO REQUIRED FROM STRUCTURES, BUILDINGS, WALLS, AND FENCES, UNLESS SPECIFICALLY APPROVED BY THE POA IN WRITING. PHONE LINES SHALL CROSS THE POA'S WATER/WASTEWATER FACILITIES WITH A MINIMUM OF TWELVE (12) INCH VERTICAL CLEARANCE. GAS MAINS AND ELECTRIC POWER CABLES SHALL CROSS THE POA'S WATER/WASTEWATER FACILITIES WITH A MINIMUM OF EIGHTEEN (18) INCH VERTICAL CLEARANCE.
- 19. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE; NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE.
- 20. THE WATER SYSTEM SHALL BE CLEANED OF DEBRIS, FLUSHED AND TESTED FOR A PERIOD OF NOT LESS THAN 2 HOURS AT A MINIMUM STARTING PRESSURE OF 130 PSI WITH AN ALLOWABLE LEAKAGE NOT TO EXCEED THE ALLOWABLE GAL/HR IN ACCORDANCE WITH THE ANSI/AWWA C-600-05 STANDARD SECTION 4.2.2.

### $(EQUATION Q = \underline{LD}\underline{P})$ 148 000

- Q = ALLOWABLE LEAKAGE, GALLONS/HOUR
- L = LENGTH OF PIPE TESTED, FEETD = NOMINAL DIAMETER, INCHES
- P = AVERAGE TEST PRESSURE, LB/IN GAUGE
- 21. AFTER THE PRESSURE TEST, THE SYSTEM SHALL BE DISINFECTED. DISINFECTION SHALL BE IN ACCORDANCE W/ANSI/AWWA C651-05 STD. BACTERIOLOGICAL TESTS SHALL BE TAKEN TWO (2) CONSECUTIVE DAYS, AT LEAST 24 HOURS APART AND SHALL BE AT LEAST ONE SAMPLE PER 1,200 FEET OF MAIN IN THE SYSTEM. THE SAMPLE SHALL HAVE A HETEROTROPHIC PLATE COUNT (HPC) LESS THAN 500 CFU/ML AND SHALL BE FREE OF COLIFORM BACTERIA.
- 22. AT THE TIME OF BACTERIOLOGICAL SAMPLING, CHLORINE RESIDUAL DETERMINATION SHALL BE MADE TO INSURE THAT CHLORINE CONCENTRATION IN THE MAIN IS NO HIGHER THAN THAT GENERALLY IN THE SYSTEM (3.0 MG/L FREE OR 4.0 MG/L COMBINED MAXIMUM), OR LESS THAN 0.2 MG/L FREE OR 0.6 MG/L COMBINED. THE RESULT SHALL BE REPORTED ALONG WITH THE BACTERIOLOGICAL TEST RESULTS. ALL TESTING SHALL BE COORDINATED AND PAID FOR BY THE CONTRACTOR.
- 23. FIRE MAIN FROM DDCV OR FDC TO BUILDING SHALL BE CONSTRUCTED BY A CERTIFIED FIRE SPRINKLER INSTALLER AND PRESSURE TESTED IN ACCORDANCE WITH NFPA REQUIREMENTS.

## MINIMUM REQUIRED AS-BUILT INFORMATION

- 1. ALL AS-BUILT INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR, AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
- 2. STORM DRAINAGE:
- A. TOP ELEVATION OF EACH MANHOLE FRAME AND COVER / GRATE AS WELL ALL OTHER STRUCTURES (HEADWALLS, CONTROL STRUCTURES, ETC.).
- B. INVERT ELEVATION OF EACH LINE ENTERING AND LEAVING EACH STRUCTURE, INCLUDING UNDERDRAIN PIPES.
- C. INVERTS OF ALL MITERED END SECTIONS
- D. ACTUAL GRADE OF PIPE BETWEEN THE STRUCTURES
- E. INVERT ELEVATION AND TWO HORIZONTAL TIES FROM PERMANENT VISIBLE OBJECTS TO ALL STORM STUB-OUTS.
- F. CONTRACTOR SHALL PROVIDE ACCURATE AS-BUILT DIMENSIONS AND ELEVATIONS OF THE STORM WATER MANAGEMENT AREAS IMMEDIATELY AFTER FINAL GRADING AND PRIOR TO SEEDING OR SODDING OF THE SLOPES. AT A MINIMUM, THE CONTRACTOR SHALL PROVIDE CROSS SECTIONS ON ALL SIDES OF THE WATER MANAGEMENT AREAS AT 100-FOOT INTERVALS. THE CROSS SECTIONS SHALL BE PROVIDED FROM TOP OF BANK TO THE SLOPE BREAK BELOW CONTROL ELEVATION THE ENGINEER'S APPROVAL IS REQUIRED PRIOR TO GRASSING OF THE BANK. IF ANY MODIFICATIONS ARE SPECIFIED, ADDITIONAL AS-BUILTS MAY BE REQUIRED.
- 3. LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES.
- 4. REVISIONS TO ROUTING OF PIPING AND CONDUITS.
- 5. REVISIONS TO ELECTRICAL CIRCUITRY.
- 6. ACTUAL EQUIPMENT LOCATIONS.
- 7. CHANGES MADE BY CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVE.
- 8. CHANGES MADE FOLLOWING ENGINEER'S WRITTEN ORDERS.
- 9. DETAILS NOT ON THE ORIGINAL CONTRACT DRAWINGS.
- 10. FIELD RECORDS FOR VARIABLE AND CONCEALED CONDITIONS.
- 11. ALL SLEEVES, FITTINGS, TEES, BENDS, VALVES, ETC. SHALL BE LOCATED BY STATION/OFFSET (OR METHOD APPROVED BY ENGINEER) AND ELEVATION OF TOP OF PIPE FOR ALL CONSTRUCTED SLEEVING. AS-BUILTS FOR ALL SLEEVING DEPICTING TOP OF PIPE AT 100-FOOT INTERVALS MUST BE PROVIDED.
- 12. RECORD DRAWINGS SHALL INDICATE AS-BUILT DATA FOR EVERY ELEVATION SHOWN ON THE PLANS.
- 13. IF A NEW BENCHMARK LOCATION IS ESTABLISHED, CONTRACTOR SHALL PROVIDE A BENCH LOOP CLOSURE TO THE CLOSEST EXISTING BENCHMARKS IN BOTH DIRECTIONS. ALL BENCHMARK DATA SHALL BE SUBMITTED BY A REGISTERED LAND SURVEYOR.
- 14. IDENTIFICATION OF ADDENDUM ITEMS ISSUED DURING BIDDING PERIOD.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL AS-BUILT DATA FOR UTILITIES AND SLEEVING IS COLLECTED PRIOR TO PAVEMENT SECTION CONSTRUCTION. PRELIMINARY UTILITY AS-BUILTS MUST BE PROVIDED TO THE ENGINEER FOR REVIEW PRIOR TO PAVEMENT SECTION CONSTRUCTION.
- 16. UTILITY SYSTEMS (WATER, GRAVITY SEWER AND FORCE MAINS) :
- A. THE DRAWINGS SHALL INCLUDE STATE PLANE COORDINATES (NORTHING, EASTING, AND ELEVATION) FOR PIPES AT 100' INTERVALS; FOR ALL FITTINGS; AS-BUILT ELEVATIONS FOR PIPE CROSSINGS, PIPE LENGTHS AND LOCATIONS, AS APPROPRIATE, FOR ALL FACILITIES, INCLUDING SERVICES. PROVIDE AS-BUILT INFORMATION FOR ALL SAMPLE POINTS FOR PRE-TREATMENT SAMPLING.
- B. AS-BUILT DATA FOR WATER SERVICES SHALL INCLUDE CONTROL VALVES AND SERVICE TAPS.
  C. AS-BUILT DRAWINGS FOR GRAVITY SEWERS SHALL INCLUDE PIPE LENGTHS, SLOPES, CLEANOUTS, ELEVATIONS FOR CONFLICT CLEARANCES, MANHOLE RIMS AND INVERT ELEVATIONS.
- D. LOCATE WITH MEASUREMENTS FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS/ACCESSORIES NOT VISIBLE FROM THE SURFACE (MINIMUM TWO POINT TIES).
- E. AS-BUILT INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
- F. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD COMPLETE SETS OF AS-BUILT CONSTRUCTION DRAWINGS AS REQUIRED FOR SUBMITTAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR.
- G. ALL OTHER REQUIRED PRESSURE PIPE INFORMATION IN ACCORDANCE WITH THE AS-BUILT REQUIREMENTS OF THE UTILITIES DEPARTMENT.
- 17. UTILITY CROSSING SEPARATION INFORMATION FOR THAT PROVIDED ON THE PLANS VERIFYING:
- A. SIZE AND MATERIAL OF CROSSING PIPES
- B. TOP ELEVATION OF BOTTOM PIPE
- C. BOTTOM ELEVATION OF TOP PIPE
- D. FINISHED SURFACE ELEVATION OVER UTILITY CROSSING



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ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. NAVD '88 ELEV + 1.086' = NGVD '29 ELEVATION CALL 2 WORKING DAYS

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DIAL 811





PICTURE 1: EXISTING SOUTH PARKING LOT



PICTURE 7: EXISTING PATHWAY TO SOUTHERNMOST BEACH ACCESS POINT



PICTURE 2: ENTRANCE TO TENNIS COURTS



PICTURE 8: CHICKEE HUT





PICTURE 9: LIFEGUARD HOUSE



PICTURE 4: SOUTH PARKING LOT RESTROOMS



PICTURE 10: SHOWER WITH WOOD WALL





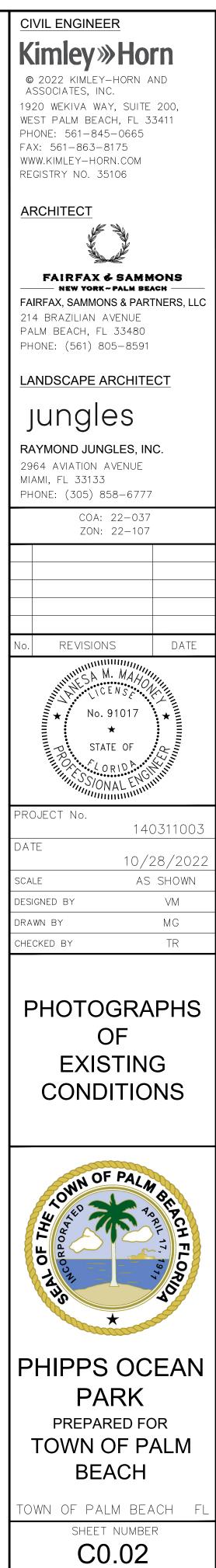
PICTURE 11: PARKING METER AND ADA WALKWAY SIGN AT NORTH PARKING LOT



PICTURE 6: STAIRS WITH HANDRAILS



PICTURE 12: STAGING AREA AT SOUTH PARKING LOT







PICTURE 13: SOUTH PARKING LOT



PICTURE 20: SHOWER WITH WOOD WALL



PICTURE 14: SOUTH PARKING LOT



PICTURE 21: SHELLROCK PATH







PICTURE 15: WALKWAY WITH LIGHTPOLES



PICTURE 16: HISTORICAL SIGN



PICTURE 17: FIRE STATION



PICTURE 18: BARBEQUE GRILL

PICTURE 22: SHELLROCK AND ASPHALT PATH



PICTURE 23: WOODEN ADA WALKWAY



PICTURE 24: WOODEN ADA WALKWAY



PICTURE 25: WOODEN ADA WALKWAY





PICTURE 19: WOODEN WALKWAY



PICTURE 26: SOUTH PARKING LOT AND STAGING AREA

